

Abstract of the Disclosure

A corrosion-resistive member, includes a corrosion-resistive face which is to be exposed to a corrosive gas causing ion bombardment. At least a part of the corrosion-resistive member is composed of a sintered body of silicon nitride having an open porosity of not more than 5%. The silicon nitride sintered body constitutes the corrosion-resistive face, said corrosion-resistive member having a characteristic that if two auxiliary planes are formed by cutting the corrosion-resistive member to intersect vertically with said corrosion-resistive face and to be located vertically to each other, said two auxiliary planes satisfy the following orientation index between said two auxiliary planes being not less than 0.8 and not more than 1.2, and the following orientation index between the corrosion-resistive face and each of the auxiliary faces being not less than 1.5.

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